

**APRIL/MAY 2023**

**FSC11 /CSC11 — PROGRAMMING IN C**

Time : Three hours

Maximum : 75 marks

**SECTION A — (10 × 2 = 20 marks)**

Answer ALL questions.

1. Define Constants.
2. Write a note on Variables.
3. What is Goto statement?
4. Define operator.
5. What is Derived Data types?
6. Define sorting.
7. What is Function calls?
8. Define Return Statement.
9. What is size of operator?
10. Mention the term pointer Expression.



SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Summarize on operators in C.

Or

- (b) Describe the type conversion with example.

12. (a) Explain the following:

- (i) Reading a character
- (ii) Writing a character

Or

- (b) Explain in detail about the jumps in loops.

13. (a) Discuss about the Dynamic Arrays.

Or

- (b) Explain in detail about the strcmp ( ), strlen ( ), strcat ( ).

14. (a) Explain the following :

- (i) External variable
- (ii) Local variable

Or

- (b) Illustrate on the scope visibility and life of variables.

15. (a) Explain the meaning and purpose of the following:

- (i) Template
- (ii) typed of keyword

Or

- (b) Describe about the pointers and structure.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe the process of creating and executing a C program under UNIX system.

17. Explain about the switch statement with example.

18. Discuss about the Two-dimensional Arrays.

19. Give an overview on user define functions with example.

20. Explain the declaration of pointers and pointer to pointer with example.